

Fluid Management Apparatus with Format Conversion

Abstract

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10 A fluid management apparatus includes a substrate—(20)
having a first surface—(21) and a second surface opposite
to the first surface—(23). A plurality of fluid inlets
15 (28), which are preferably media reservoirs, are formed in
a first pattern in the first surface—(21) of the substrate
(20). A plurality of fluid outlets, which are preferably
nozzles, are arranged in a second pattern, which is
different from the first pattern, in the second surface
20 (23) of the substrate—(20). A plurality of fluid ducts—(26)
formed in the substrate—(20) for connecting respective
fluid inlets—(28) with respective fluid outlets—(14) are
provided so that a format conversation from the fluid
inlets to the fluid outlets is effected. The fluid outlets
have opening cross-sections smaller than that of the fluid
inlets. Furthermore, the fluid inlets may be arranged in
the raster scheme of microtiter plates.